

ABSTRACT OF THE DISCLOSURE

The present invention provides methods of producing a pro-N-acetylglucosamine-1-phosphodiester  $\alpha$  N-acetyl glucosimanidase (phosphodiester  $\alpha$ -GlcNAcase), in mammalian cells deficient in the furin proteolytic enzyme and methods of making  
5 lysosomal hydrolases having an N-acetylglucosamine-1-phosphate.